

NBC-R4AC/10,0-UTP GY/R4AC - Patch cable



1412973

<https://www.phoenixcontact.com/us/products/1412973>

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Patch cable, degree of protection: IP20, cable length: 10 m, number of positions: 8, 1 Gbps, CAT5, cable outlet: straight, Ethernet, 4 x 2 x AWG 24/7, UTP, gray

Your advantages

- Perfect for industrial applications
- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Compact angle

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1412973 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABM |
| GTIN | 4046356977937 |
| Weight per piece (including packing) | 232.2 g |
| Weight per piece (excluding packing) | 223.2 g |
| Customs tariff number | 85444210 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|---------------------|-------------------------|
| Product type | Data cable preassembled |
| Product family | RJ45 BASIC IE8 CAT5 |
| Number of positions | 8 |
| Number of slots | 1 |
| Shielded | no |
| Cable outlet | straight |

Interfaces

| | |
|----------------------|--|
| Signal type/category | Ethernet CAT5 (IEC 11801:2002), 1 Gbps |
|----------------------|--|

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Electrical properties

| | |
|---|-----------------------|
| Rated voltage (III/3) | 72 V (DC) |
| Nominal voltage U_N | 48 V |
| Nominal current I_N | 1 A |
| Transmission medium | Copper |
| Transmission speed | up to 1 Gbps |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002) |
| Transmission speed | 1 Gbps |

Mechanical properties

Mechanical data

| | |
|-------------------------------------|---------|
| Insertion force per signal contact | 50.00 N |
| Extraction force per signal contact | 30 N |

Material specifications

| | |
|--|-----|
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | PVC |

Connector

Connection 1

| | |
|--------------|----------------------|
| Type | Plug straight RJ45 |
| Shielded | yes |
| Handle color | gray |
| Material | CuSn (Contact) |
| | Au (Contact surface) |
| | PVC (Housing) |

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| | |
|---------------------------------|------------------|
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

Connection 2

| | |
|---------------------------------|---|
| Type | Plug straight RJ45 |
| Shielded | yes |
| Handle color | gray |
| Material | CuSn (Contact) Au (Contact surface) PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

Cable/line

| | |
|--------------|---------|
| Cable length | 10.00 m |
|--------------|---------|

Ethernet, CAT5, 4-pair, UTP [UTP]

| | |
|------------------------|-----------------------------------|
| Number of positions | 8 |
| Shielded | no |
| Cable type | Ethernet, CAT5, 4-pair, UTP [UTP] |
| Conductor structure | 4 x 2 x AWG 24/7, UTP |
| AWG signal line | 24 |
| Outer sheath, material | PVC |
| External sheath, color | gray |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-----------------------------------|
| Degree of protection | IP20 (RJ45 connector) IP20 |
| Ambient temperature (operation) | -25 °C ... 80 °C (RJ45 connector) |

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Drawings

Schematic diagram



Connector pin assignment plug RJ45

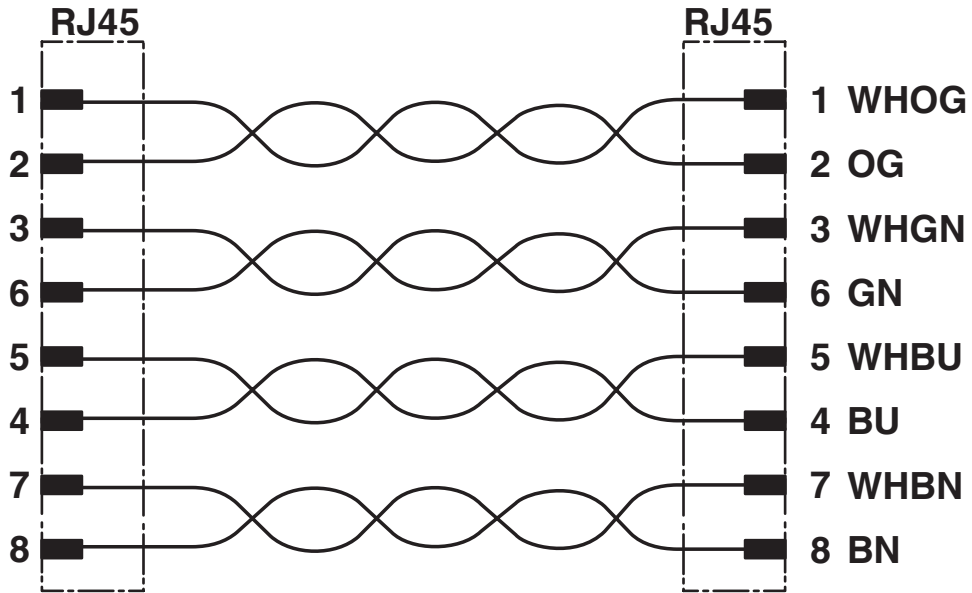
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Circuit diagram



Contact assignment of RJ45 plugs

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412973>



EAC

Approval ID: 19060508

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27060307 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.127 kg CO2e |
|---------|---------------|

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